

FIG. 1

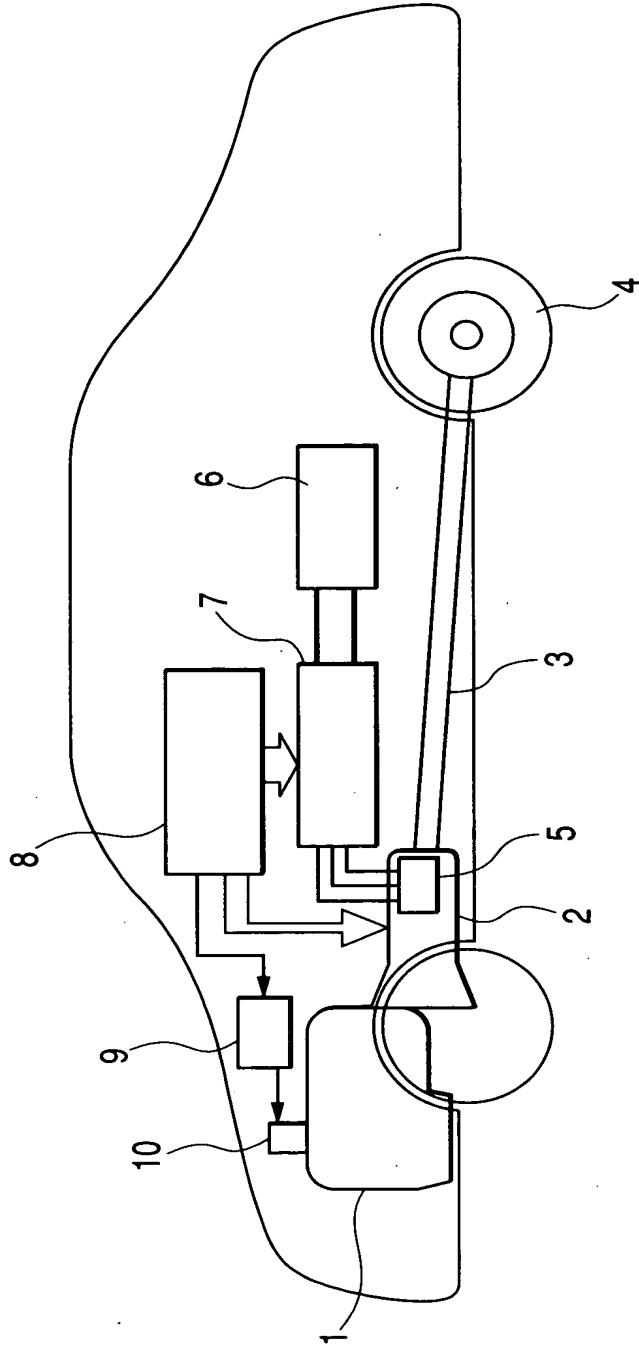


FIG. 2

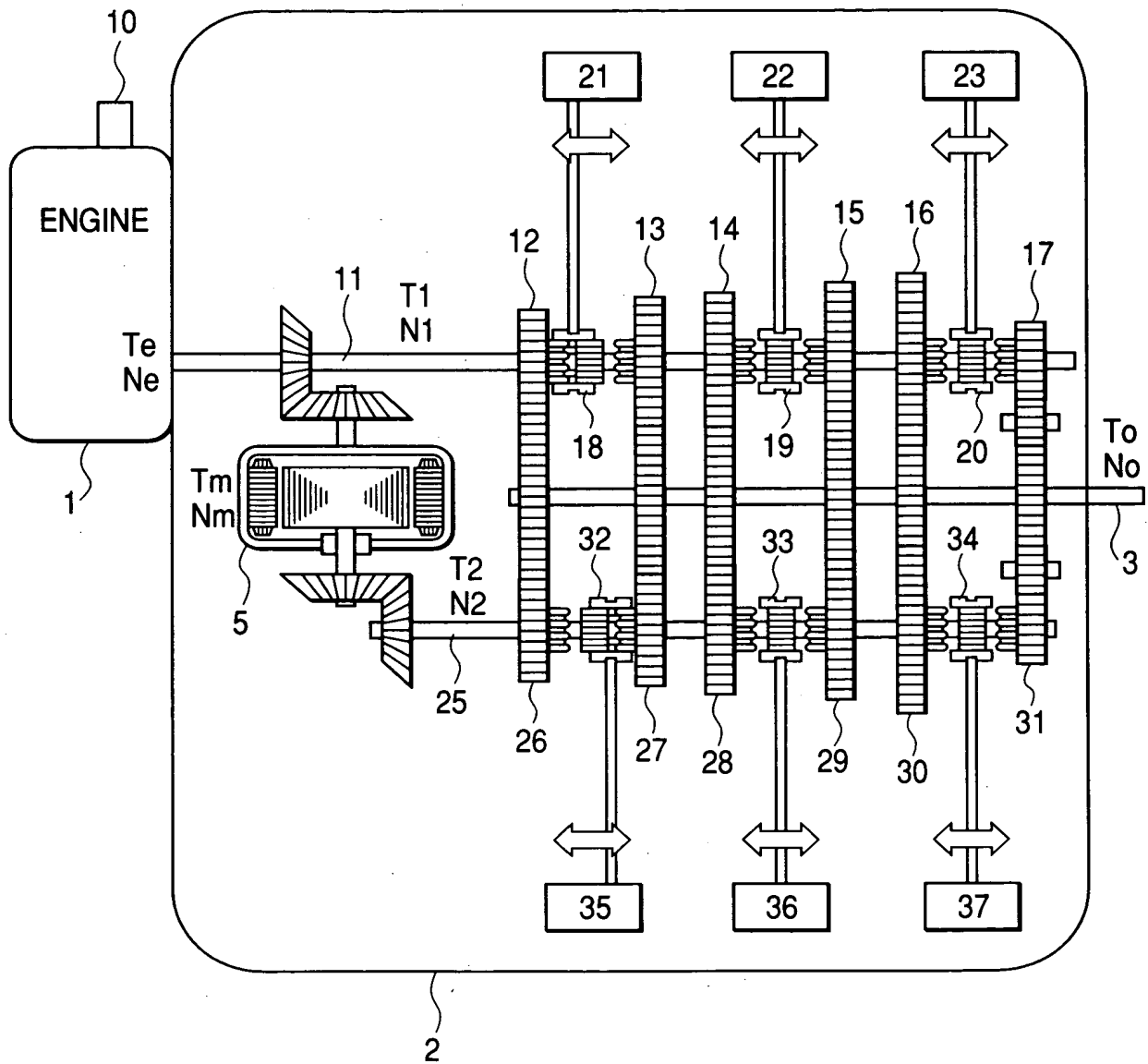


FIG. 3

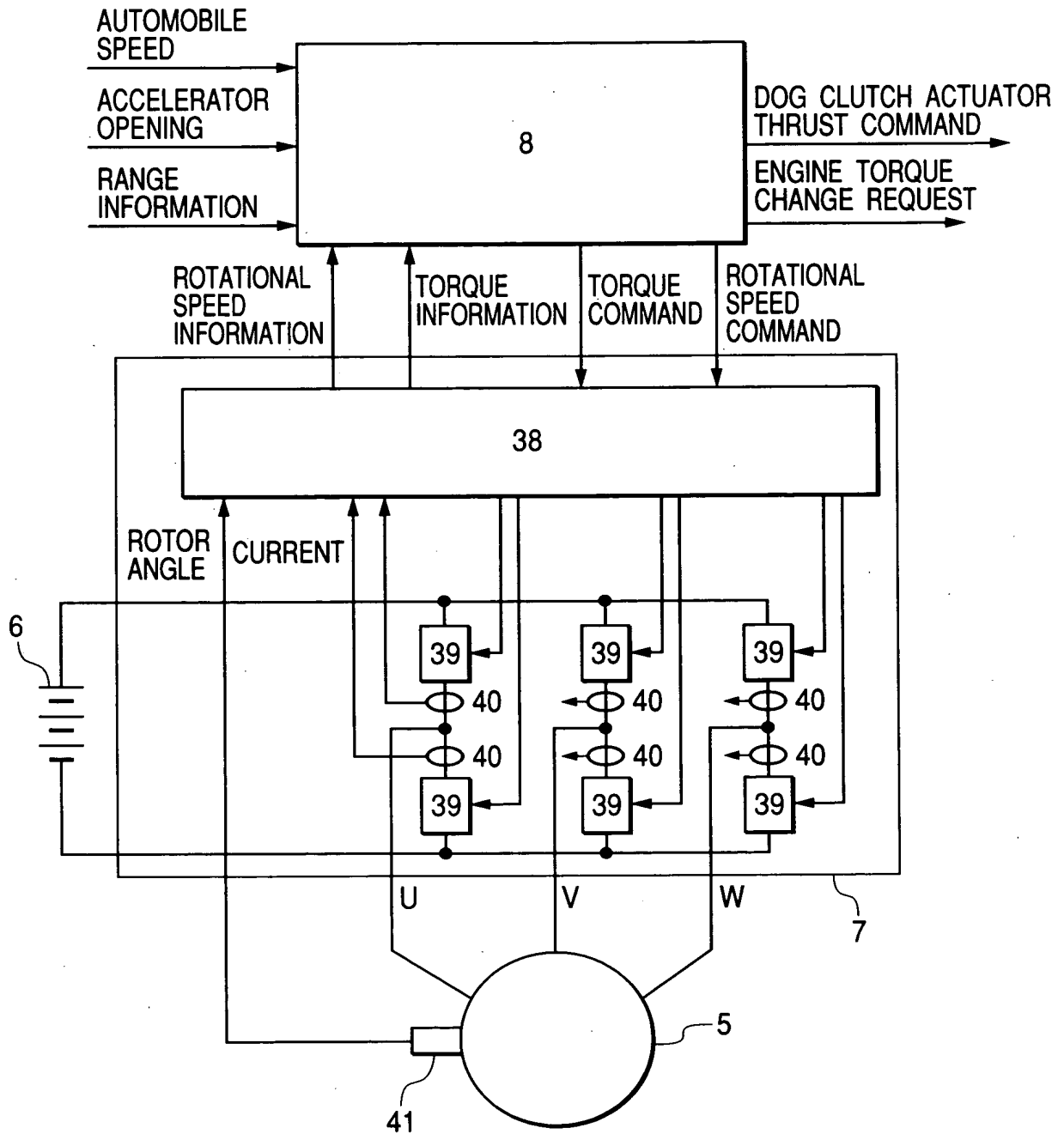
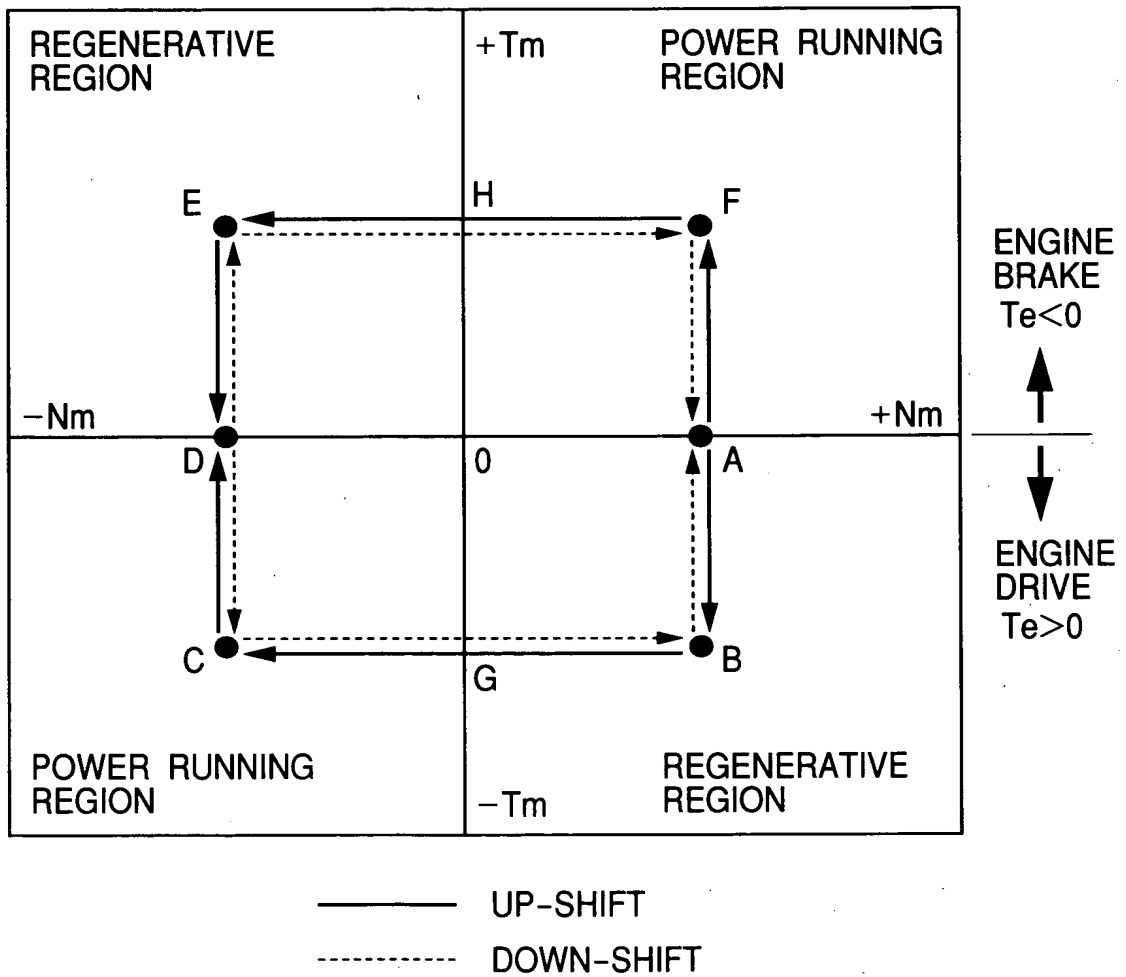
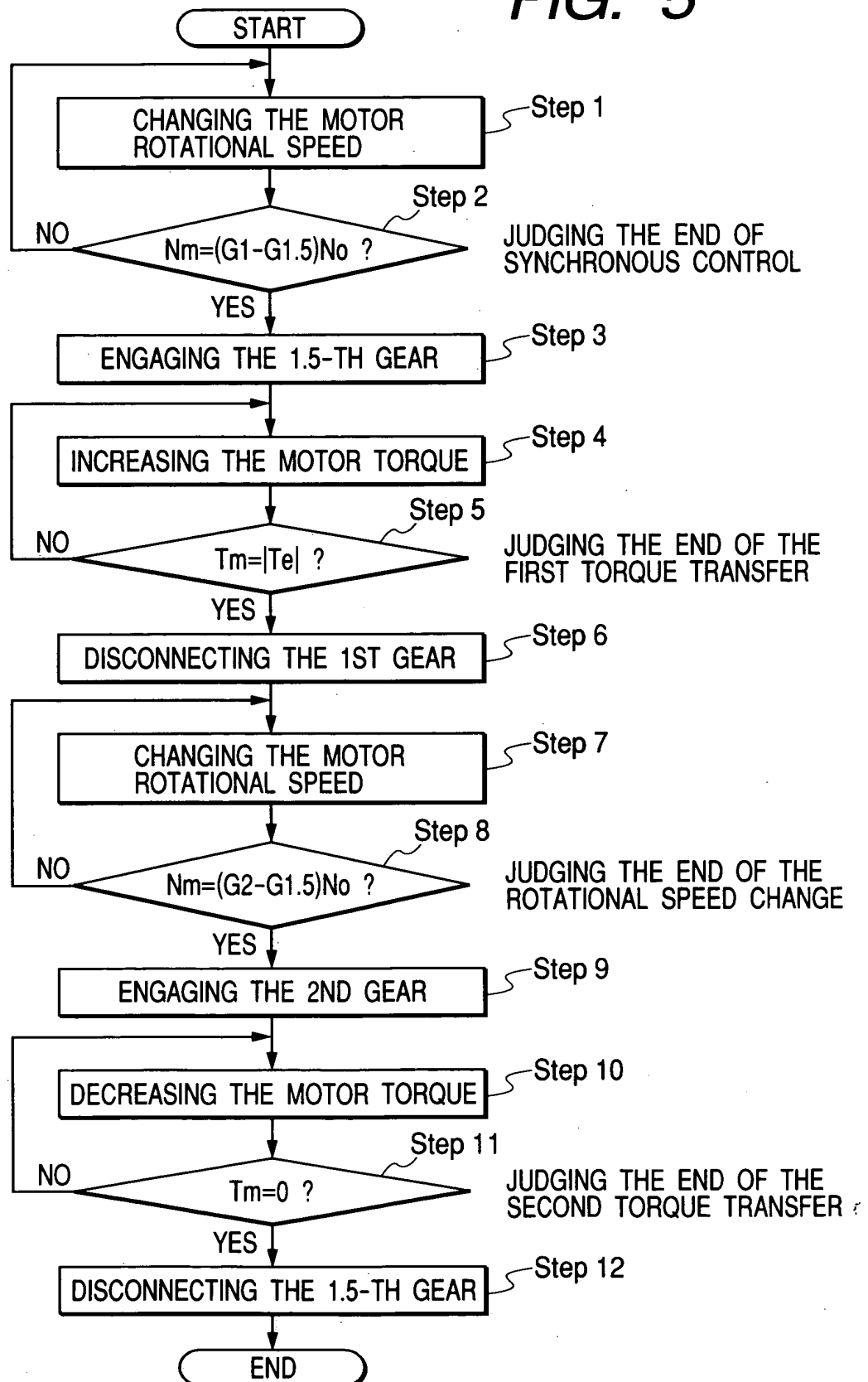
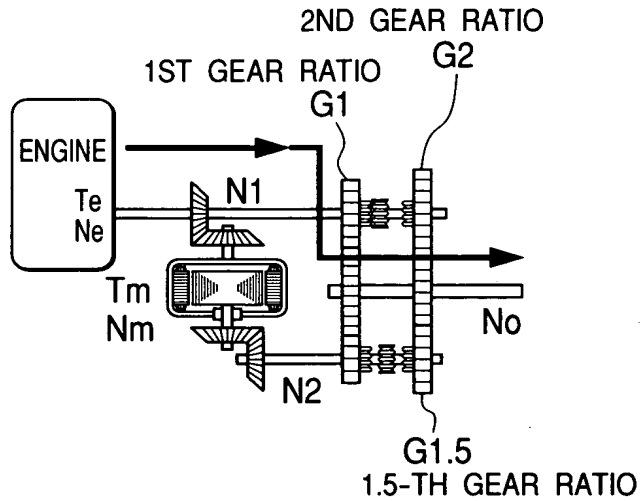


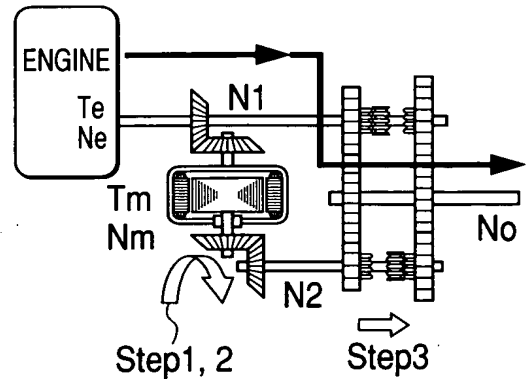
FIG. 4



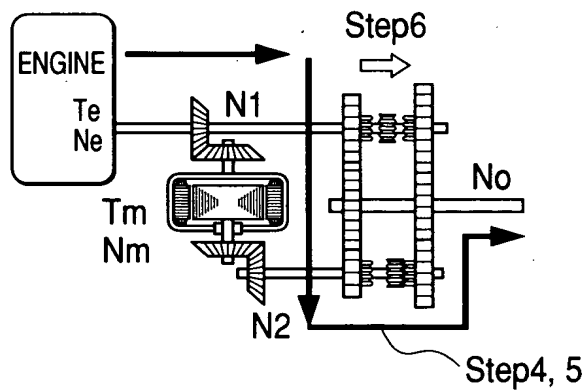
**FIG. 5**

**FIG. 6**

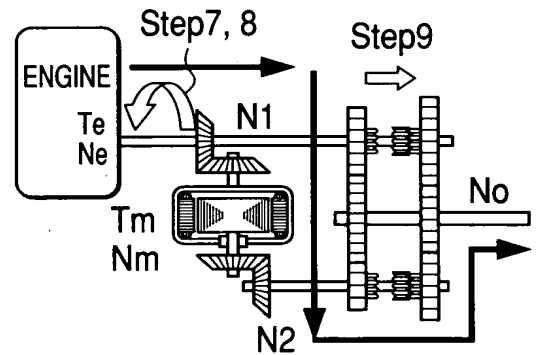
(a) CONDITION OF THE 1ST GEAR ENGAGEMENT



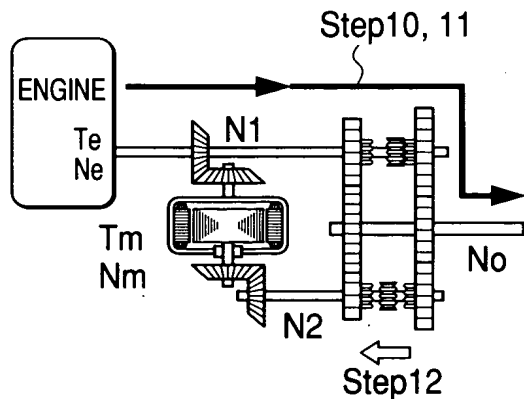
(b) CONDITION OF THE GEAR CHANGE



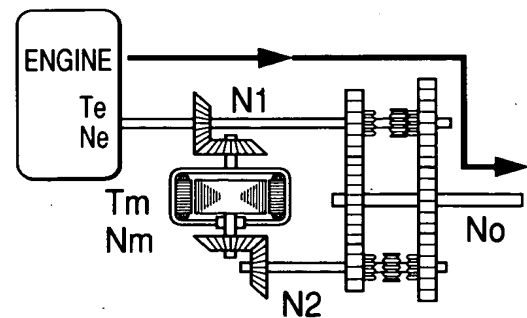
(c) CONDITION OF THE FIRST TORQUE TRANSFER



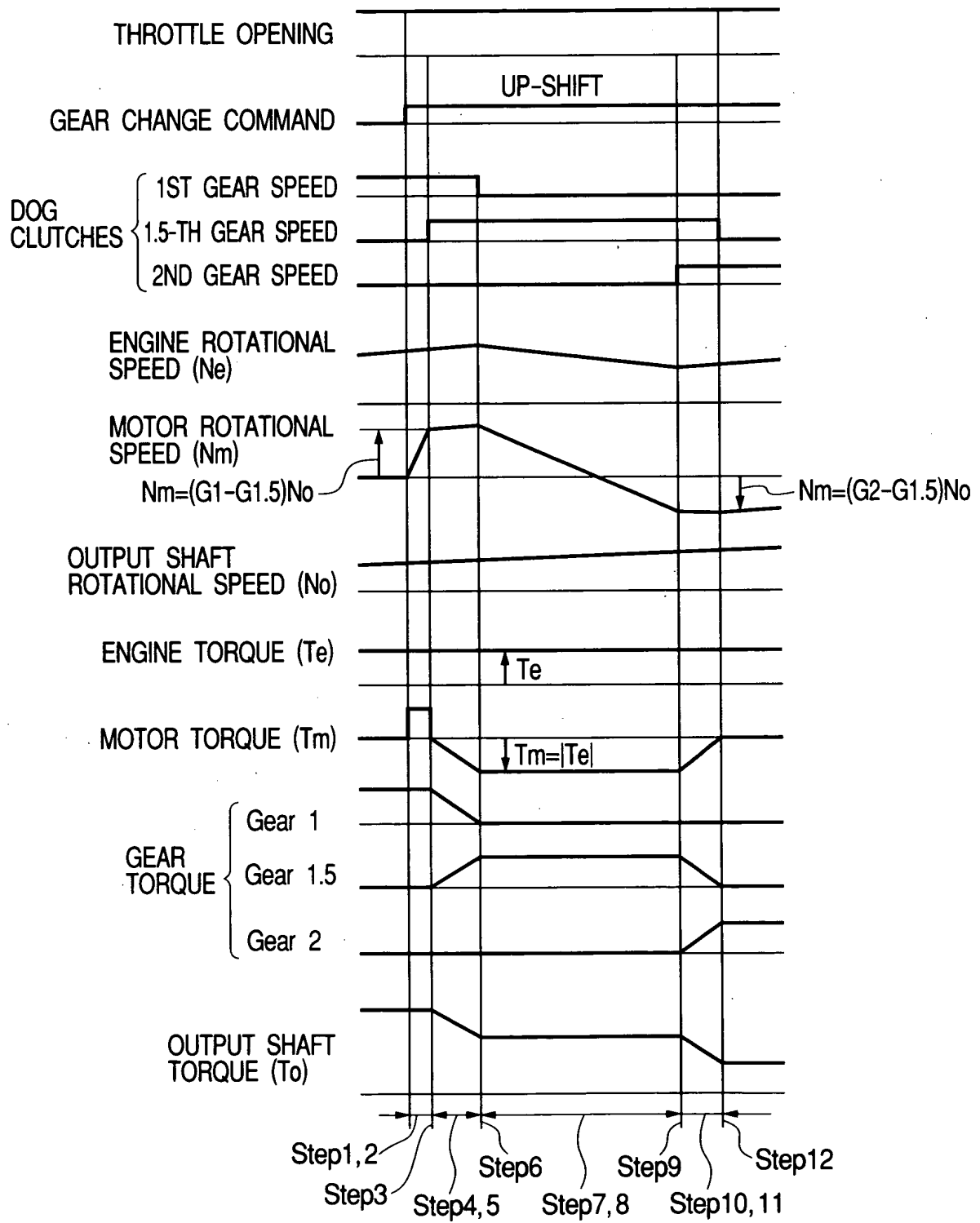
(d) CONDITION OF THE ROTATIONAL SPEED CHANGE

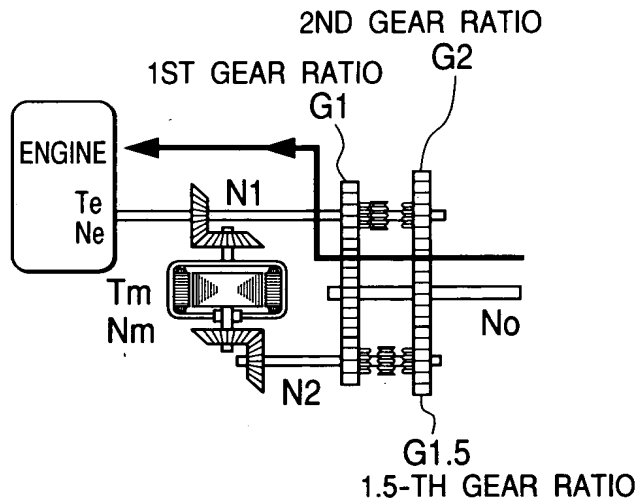


(e) CONDITION OF THE SECOND TORQUE TRANSFER

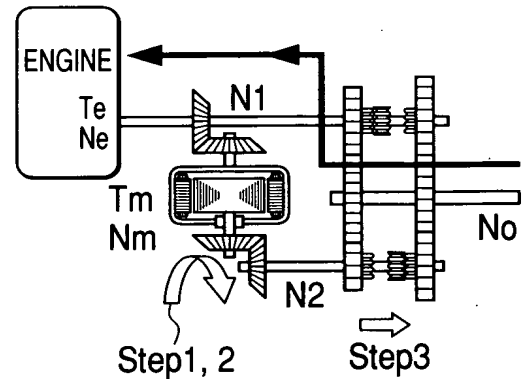


(f) CONDITION OF THE 2ND GEAR ENGAGEMENT

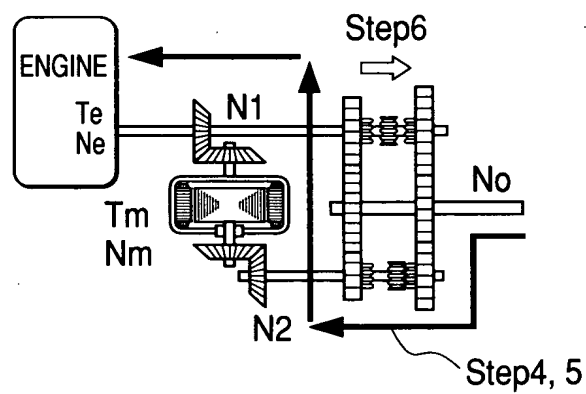
**FIG. 7**

**FIG. 8**

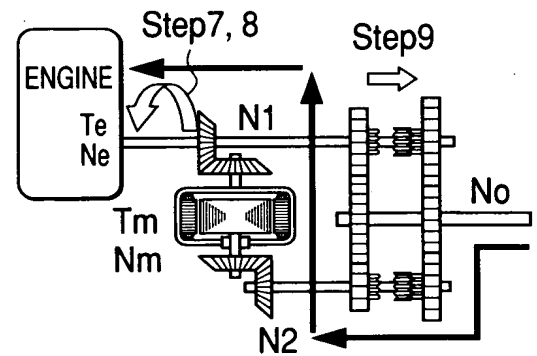
(a) CONDITION OF THE 1ST GEAR ENGAGEMENT



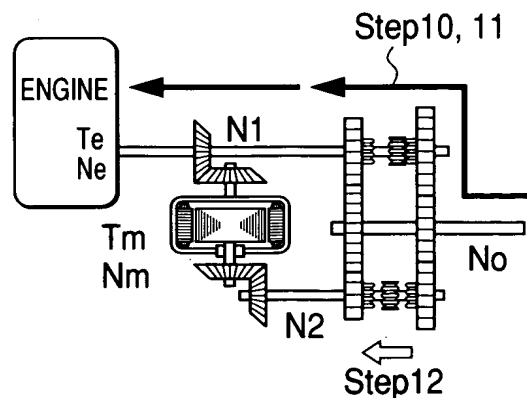
(b) CONDITION OF THE GEAR CHANGE



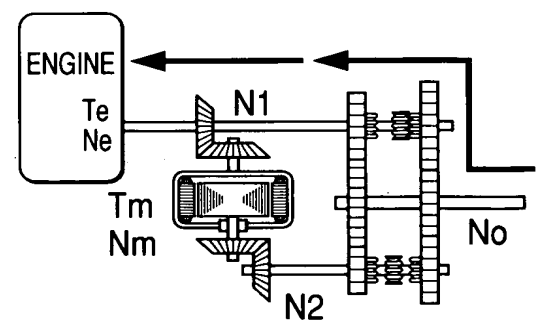
(c) CONDITION OF THE FIRST TORQUE TRANSFER



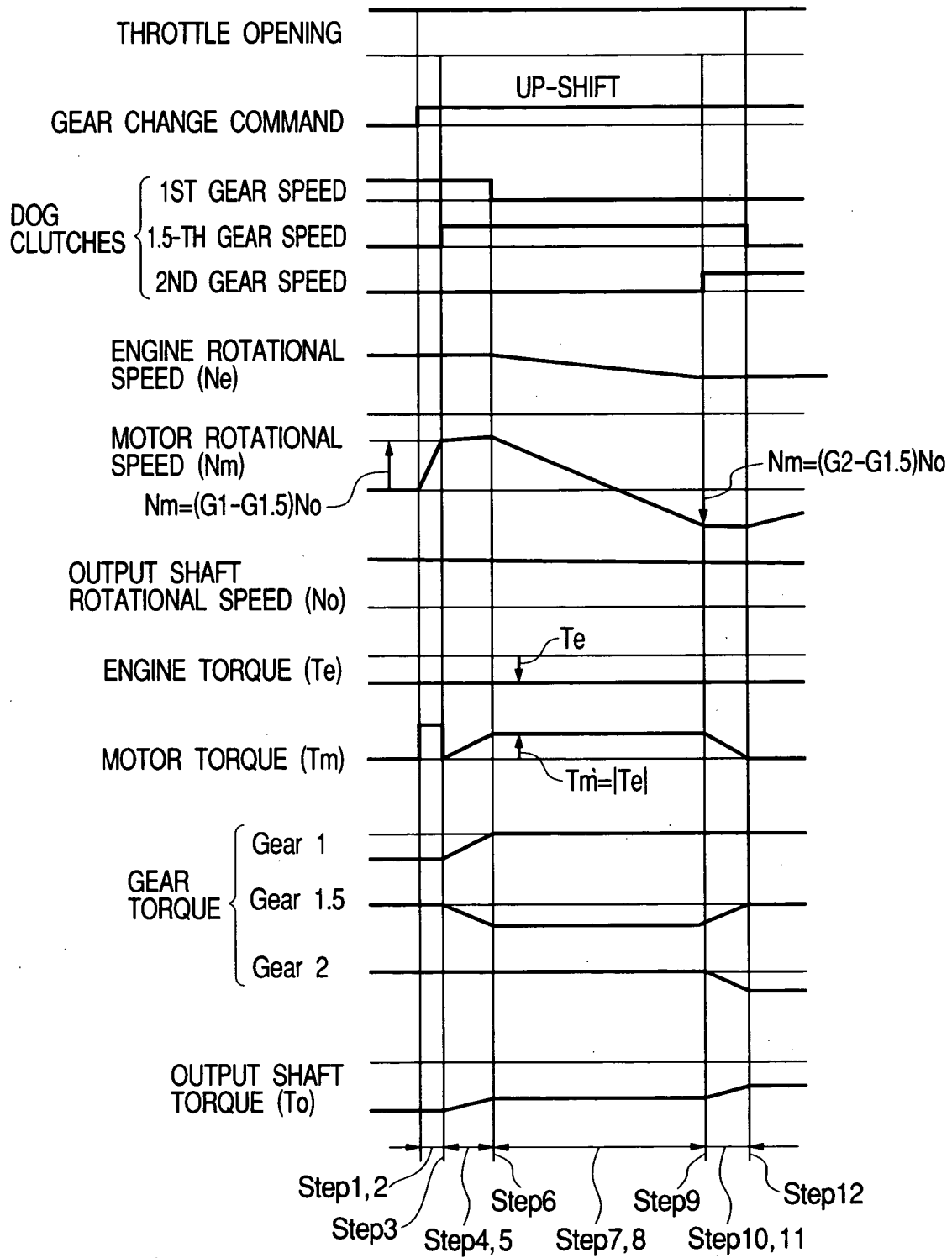
(d) CONDITION OF THE ROTATIONAL SPEED CHANGE

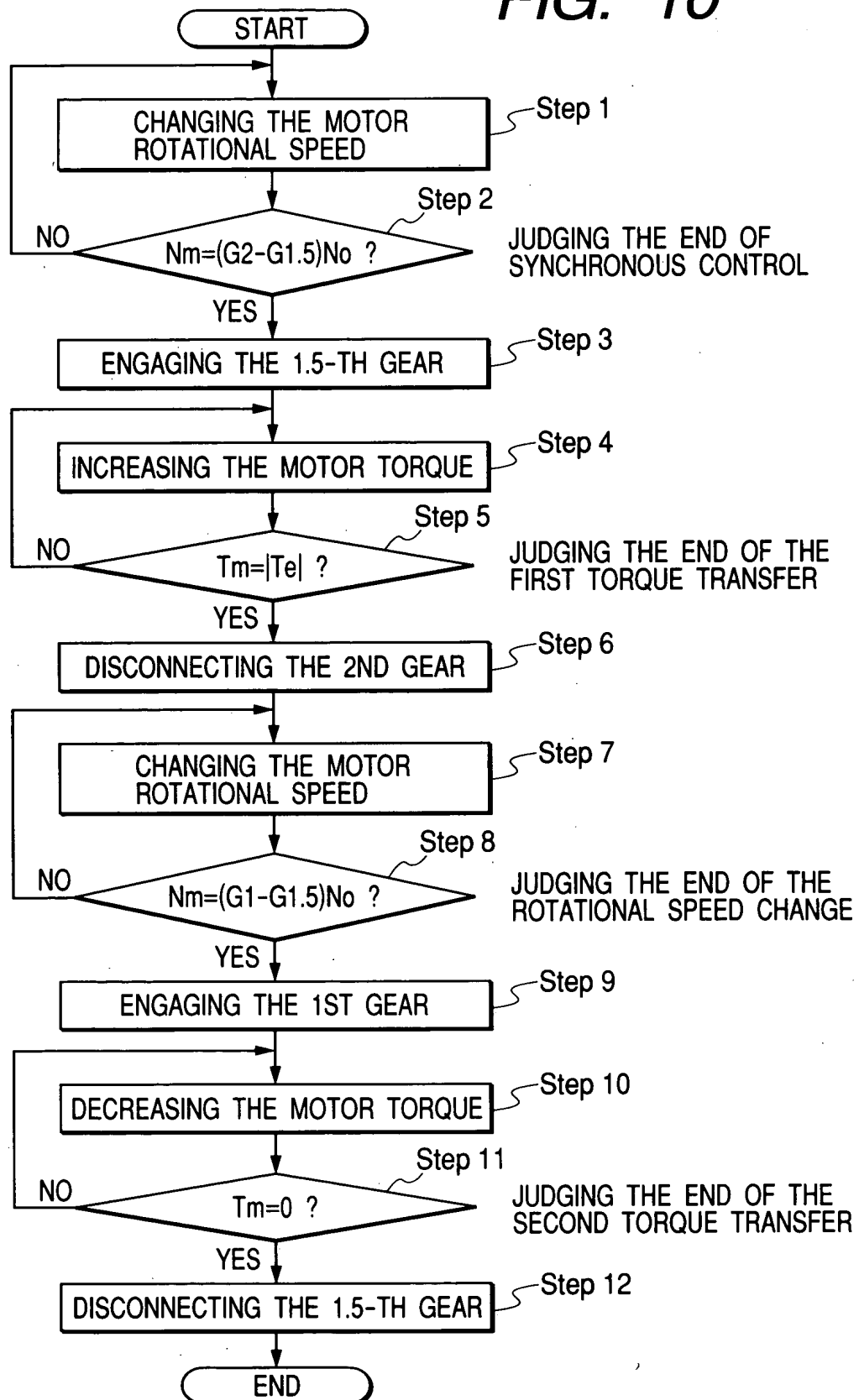


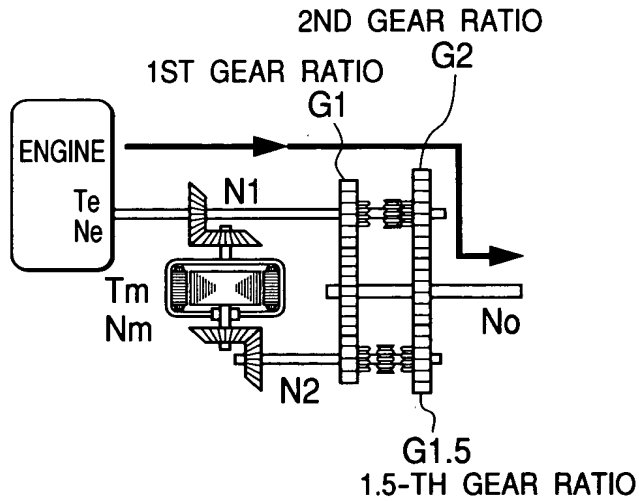
(e) CONDITION OF THE SECOND TORQUE TRANSFER



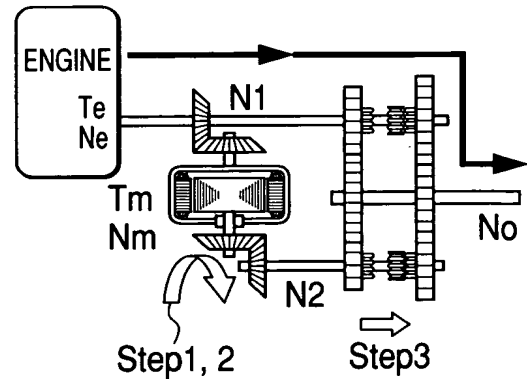
(f) CONDITION OF THE 2ND GEAR ENGAGEMENT

**FIG. 9**

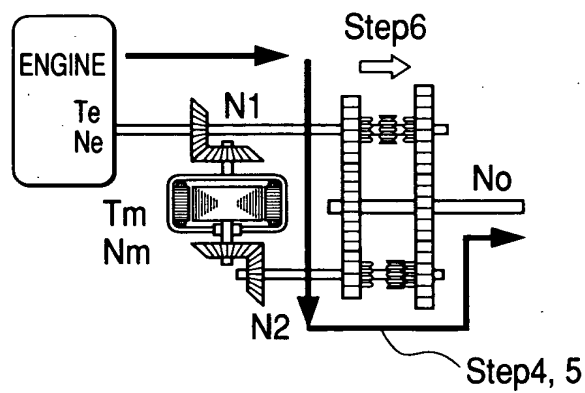
**FIG. 10**

**FIG. 11**

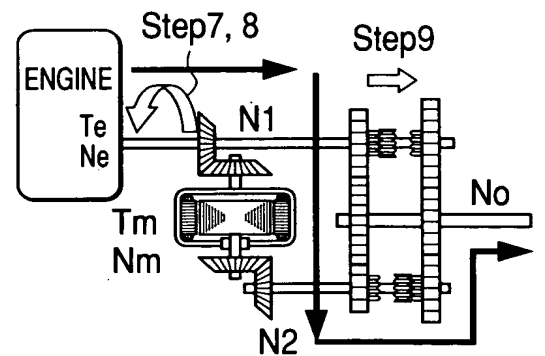
(a) CONDITION OF THE 2ND GEAR ENGAGEMENT



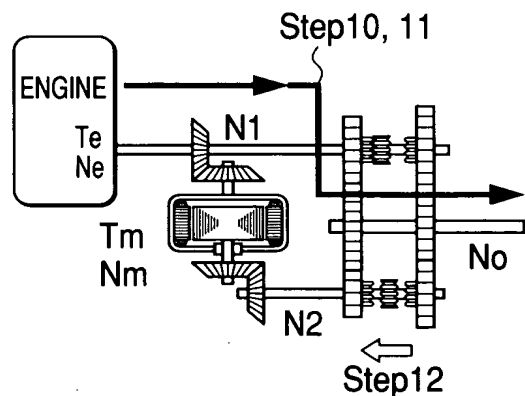
(b) CONDITION OF THE GEAR CHANGE



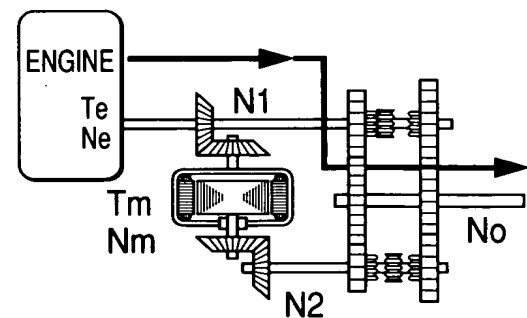
(c) CONDITION OF THE FIRST TORQUE TRANSFER



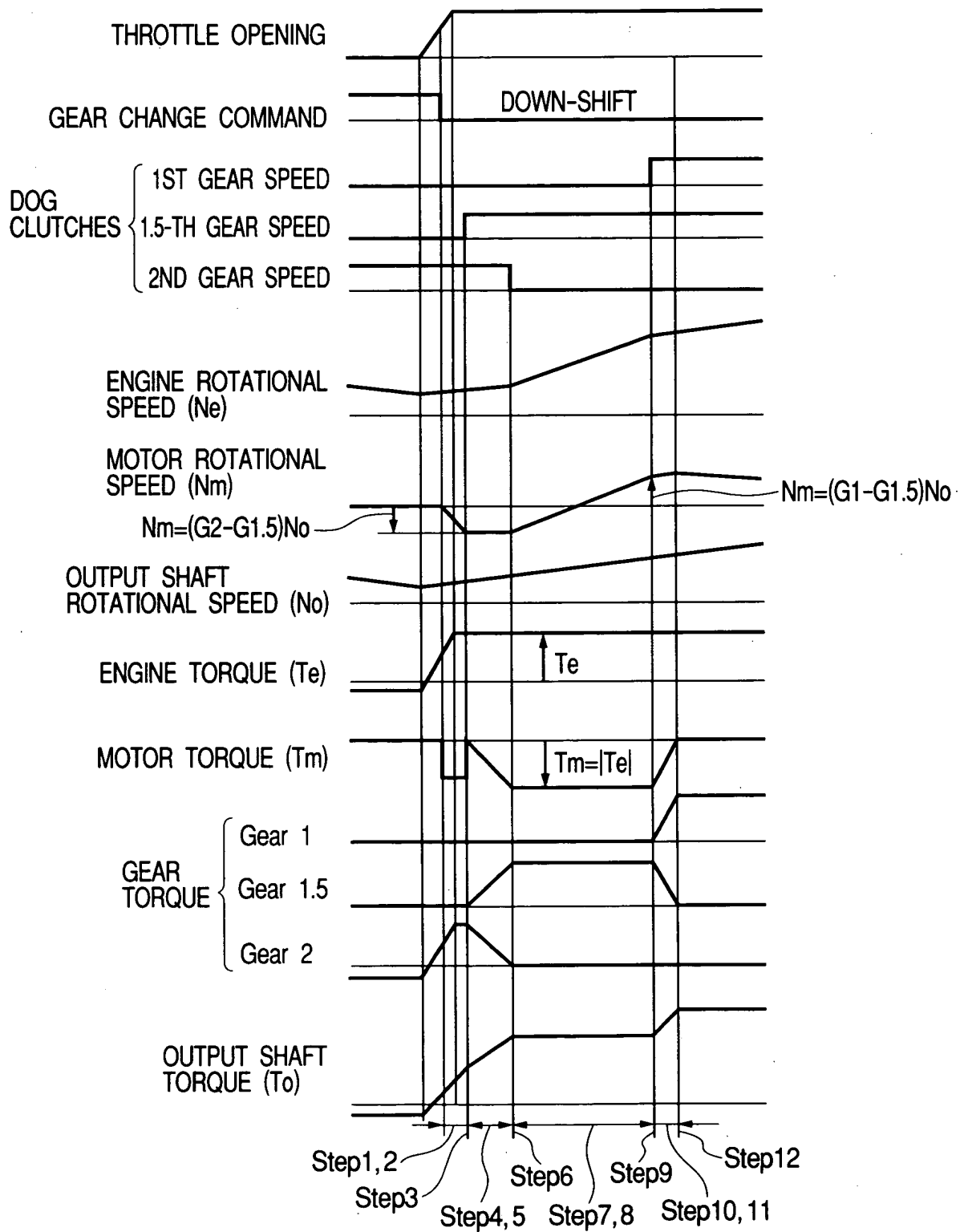
(d) CONDITION OF THE ROTATIONAL SPEED CHANGE

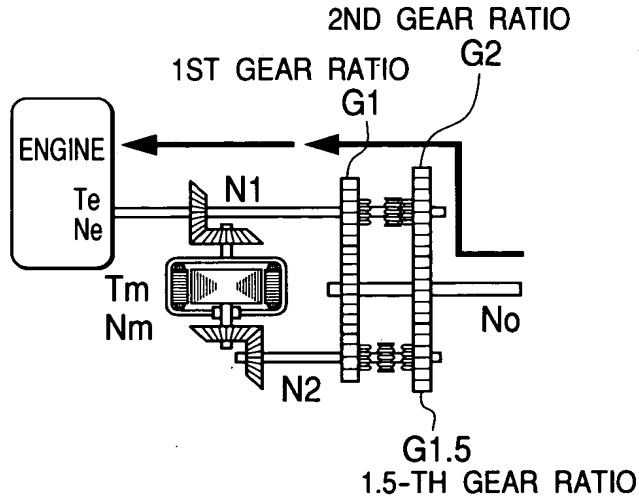


(e) CONDITION OF THE SECOND TORQUE TRANSFER

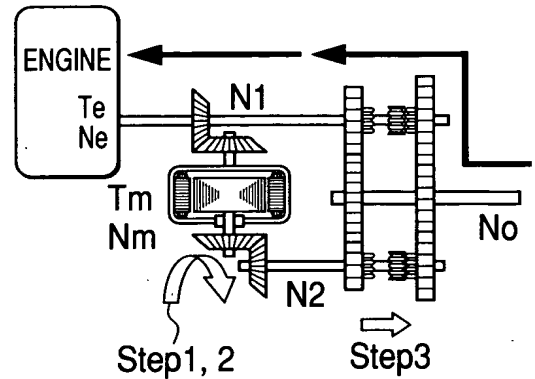


(f) CONDITION OF THE 1ST GEAR ENGAGEMENT

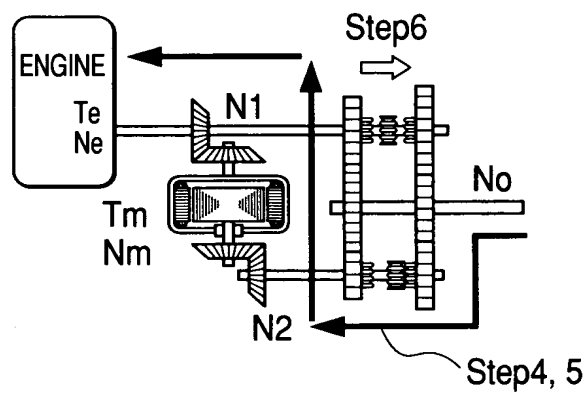
**FIG. 12**

**FIG. 13**

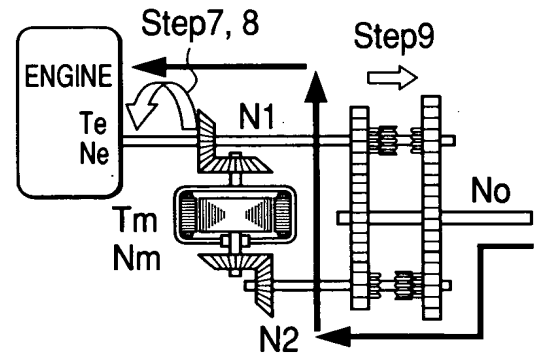
(a) CONDITION OF THE 2ND GEAR ENGAGEMENT



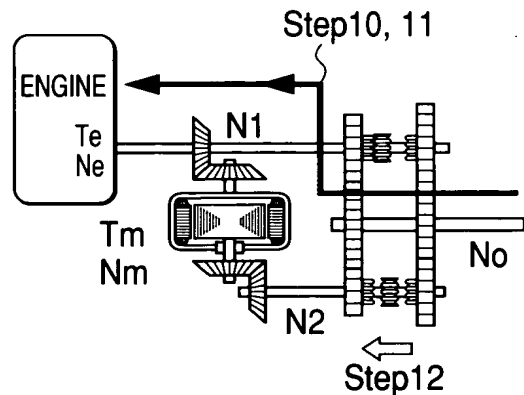
(b) CONDITION OF THE GEAR CHANGE



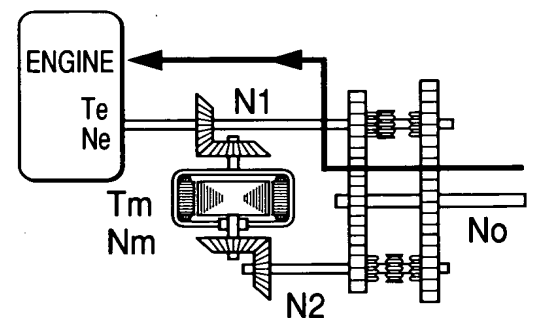
(c) CONDITION OF THE FIRST TORQUE TRANSFER



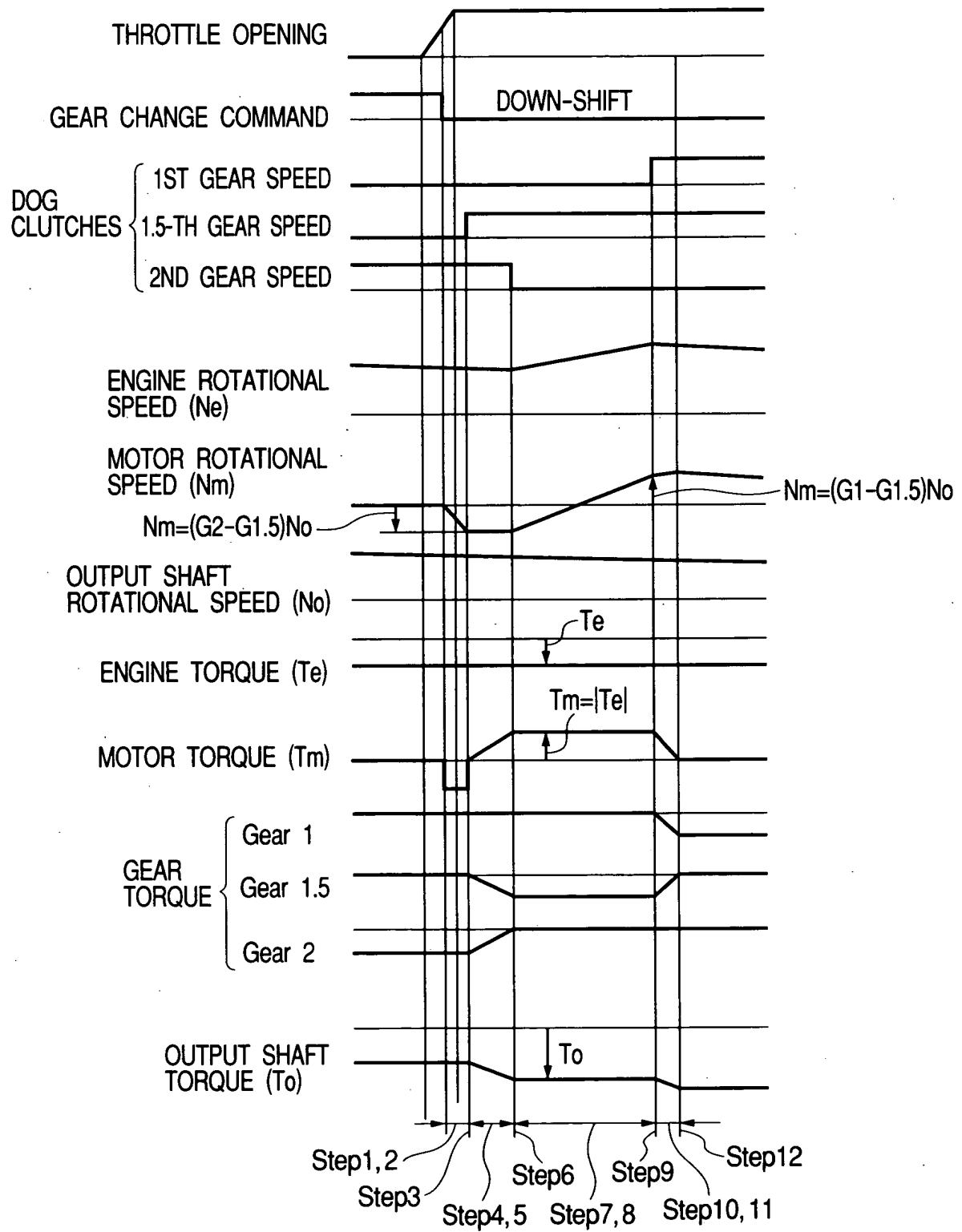
(d) CONDITION OF THE ROTATIONAL SPEED CHANGE

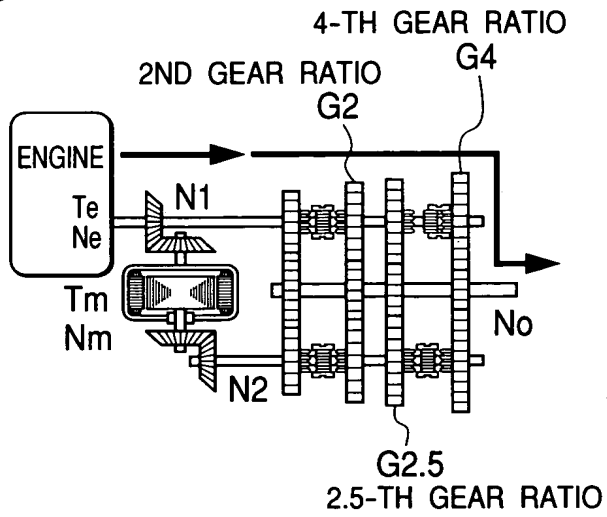


(e) CONDITION OF THE SECOND TORQUE TRANSFER

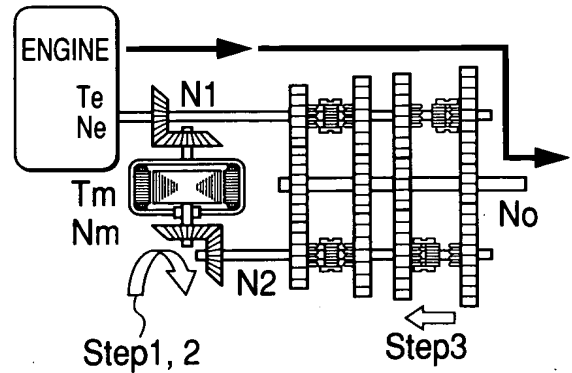


(f) CONDITION OF THE 1ST GEAR ENGAGEMENT

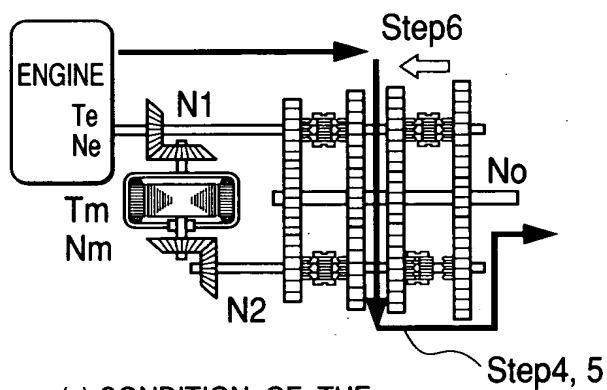
**FIG. 14**

**FIG. 15**

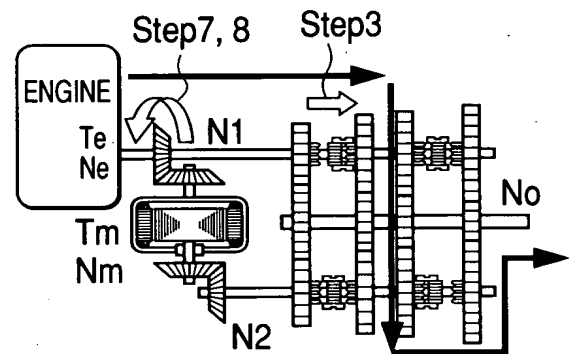
(a) CONDITION OF THE 4-TH GEAR ENGAGEMENT



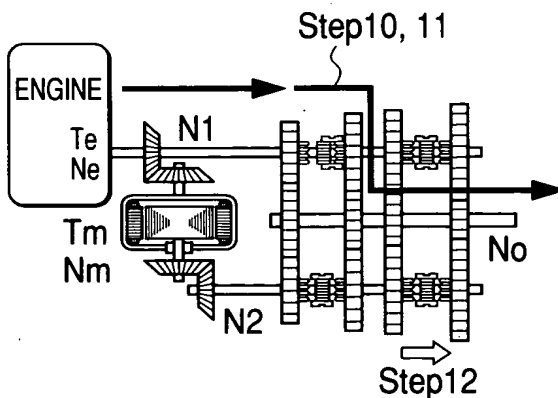
(b) CONDITION OF THE GEAR CHANGE



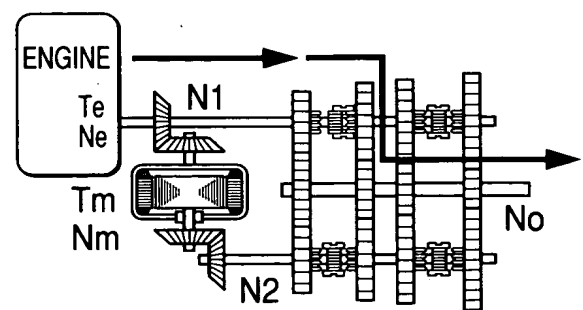
(c) CONDITION OF THE FIRST TORQUE TRANSFER



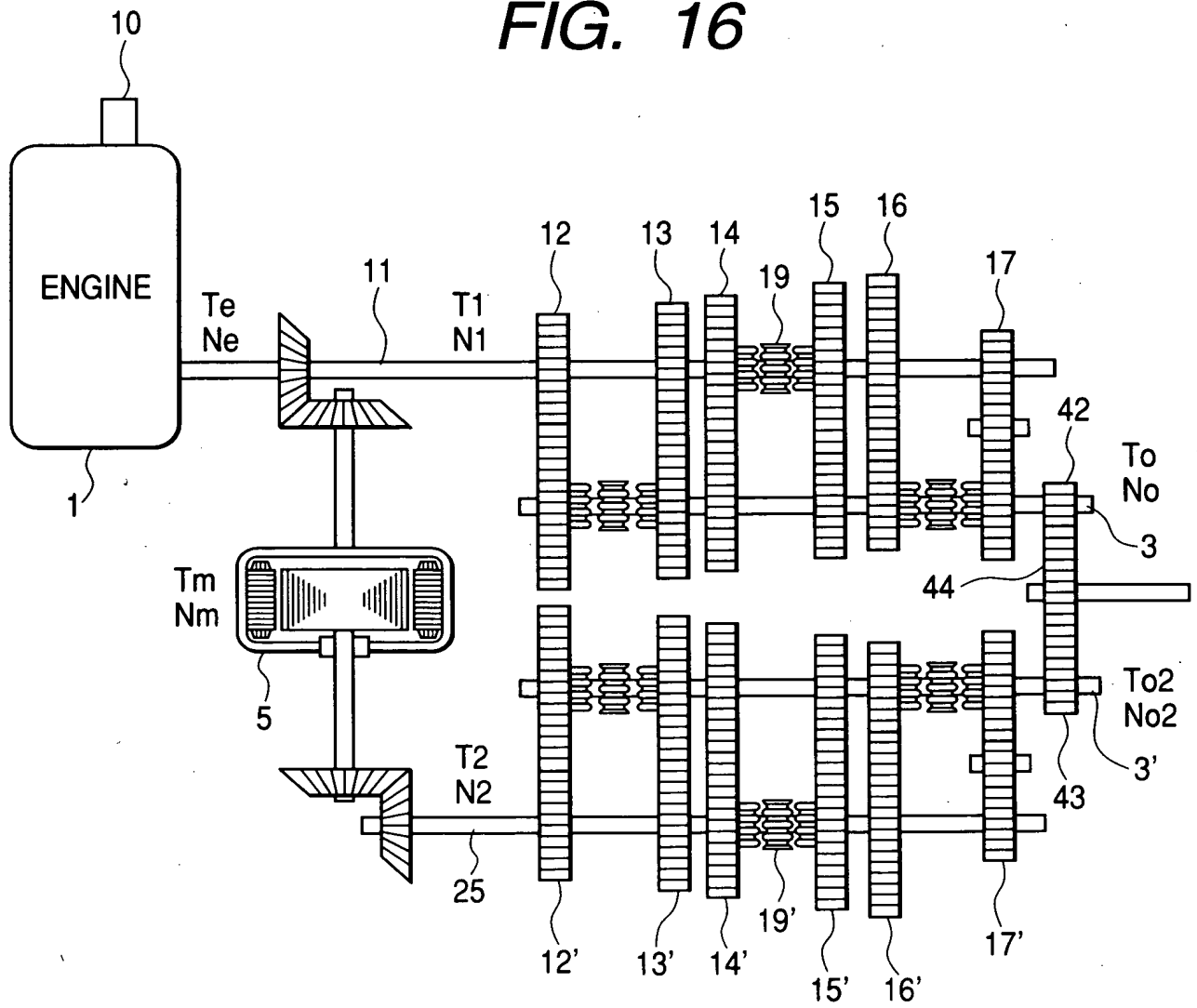
(d) CONDITION OF THE ROTATIONAL SPEED CHANGE



(e) CONDITION OF THE SECOND TORQUE TRANSFER



(f) CONDITION OF THE 2ND GEAR ENGAGEMENT

**FIG. 16**

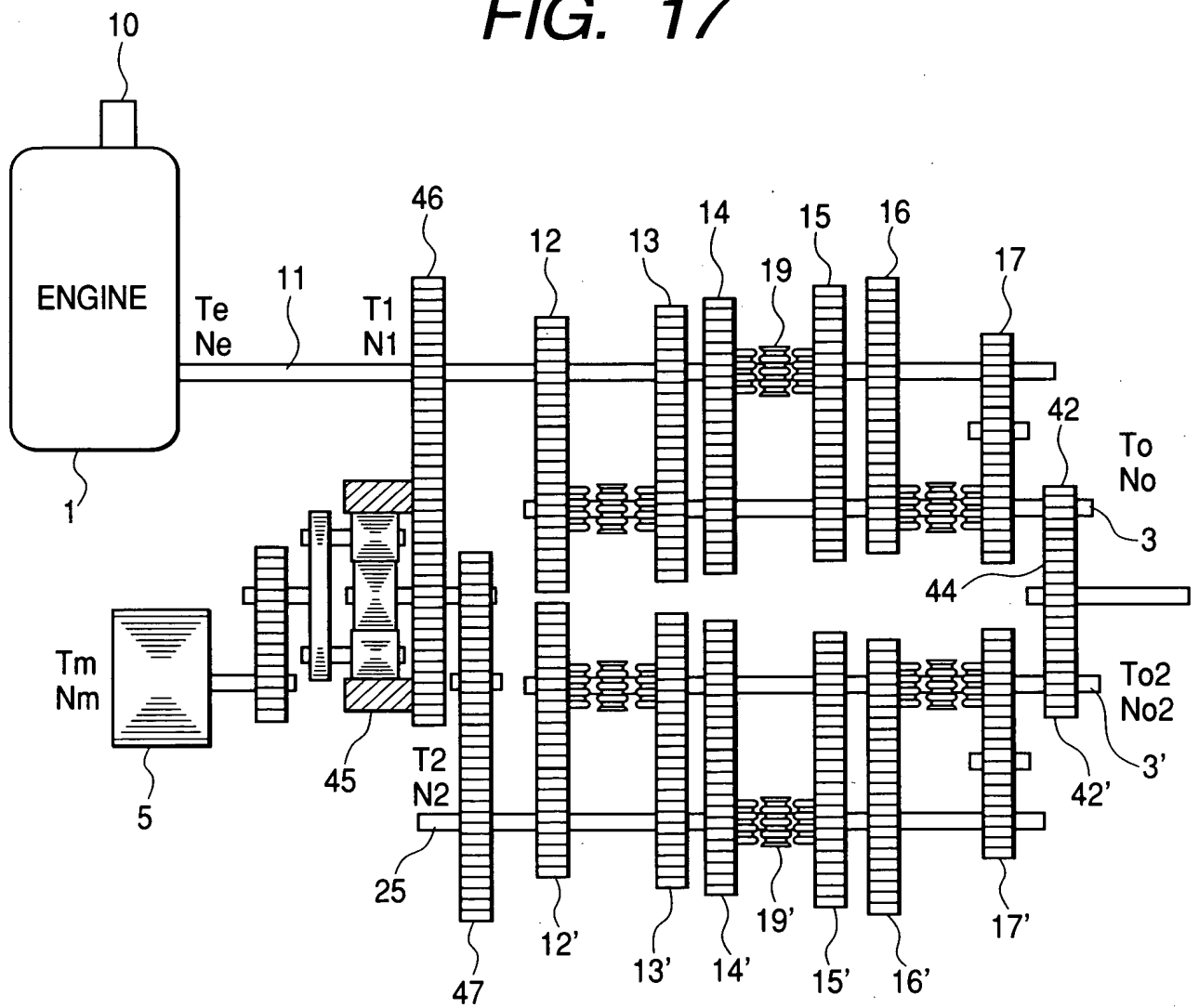
**FIG. 17**

FIG. 18

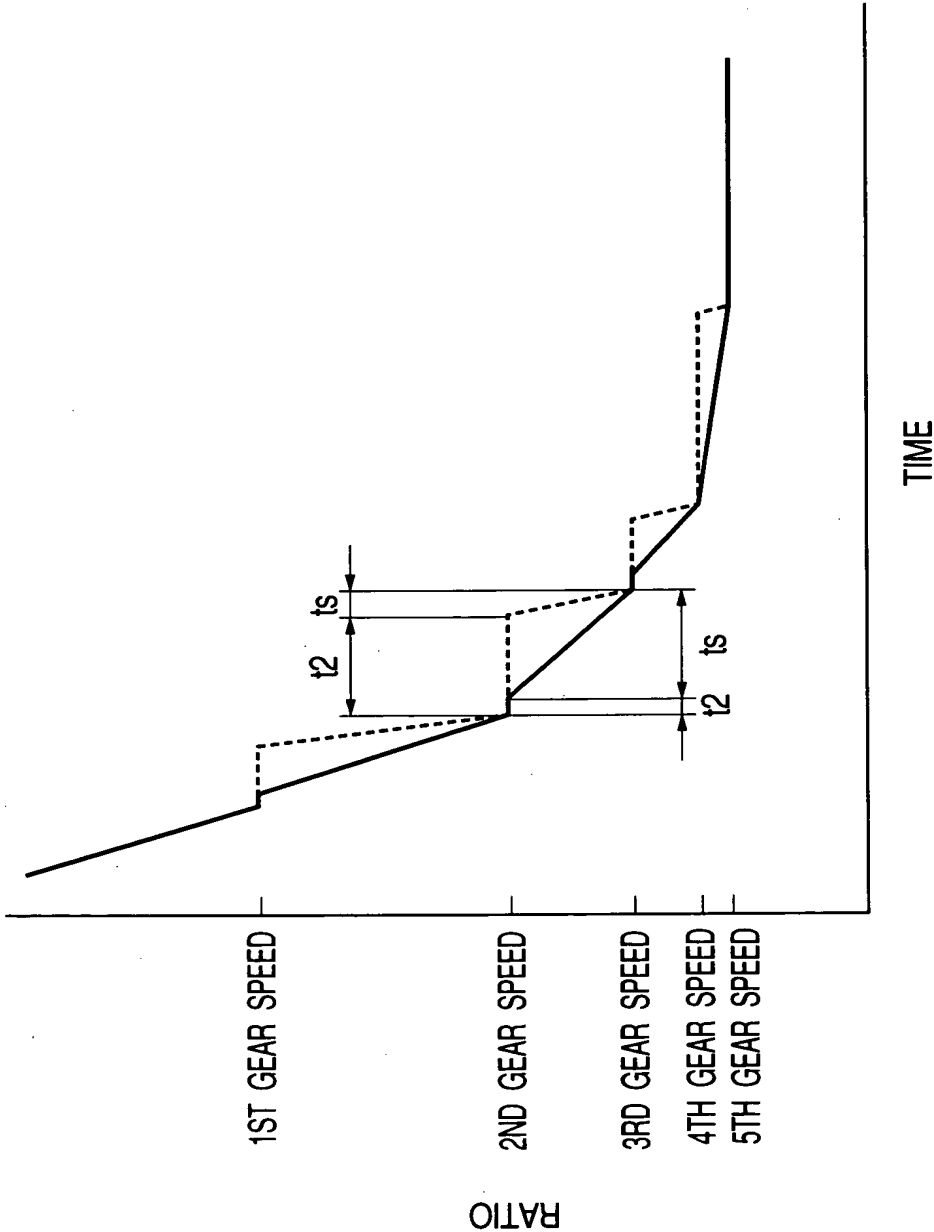


FIG. 19

